

8520-014-001

MATERIAL SAFETY DATA SHEET

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EMERGENCY NO. 1-800-535-5053 (INFOTRAC)

SECTION 1. IDENTIFICATION OF PRODUCT

PRODUCT NAME: LIQUID LEMON HAND SOAP

DATE ISSUED: 02/08/99
SUPERSEDES: 11/08/96
UNISOURCE ITEM #: U17782,
U17783, U17784

SECTION 2. INGREDIENTS	CAS NUMBER	PERCENT	EXPOSURE OSHA PEL	LIMITS IN AIR ACGIH TLV
ETRASODIUM EDTA	64-02-8	LT 1	N/D	N/D
ODIUM HYDROXIDE	1310-73-2	LT 1	2MG/M3	2MG/M3
OTASSIUM HYDROXIDE	1310-58-3	2-3	2MG/M3	2MG/M3
-MERCAPTOBENZOTHIIOZOLE	2492-26-4	LT 1	N/D	N/D

THIS (THESE) MATERIAL(S) ARE SUBJECT TO THE REPORTING REQUIREMENTS UNDER
ARA TITLE III, SECTION 313 AND 40 CFR PART 372.

N/D - NOT DETERMINED N/E - NOT ESTABLISHED N/A - NOT APPLICABLE

SECTION 3. PHYSICAL DATA

BOILING POINT(F): APPROX. 212
SPECIFIC GRAVITY(CONCENTRATE) (WATER = 1): 1.012
VAPOR PRESSURE(PSIG): N/D
ALLOWED WEIGHT: N/D
VAPOR DENSITY(AIR = 1): N/D
VAPORATION RATE(WATER = 1): N/D
SOLUBILITY IN WATER: MISCIBLE
PERCENT SOLIDS(1HR. @ 110C (BY VOLUME): 15-17
PH RANGE: 9.5-10.5
VISCOSITY(BROOKFIELD SPIN.#3 @ 3RPM): N/D
APPEARANCE/ODOR: CLEAR YELLOW-GREEN LIQUID; LEMON FRAGRANCE

SECTION 4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: GT 200F (CONCENTRATE)
FLAMMABILITY: NON-FLAMMABLE
AUTO-IGNITION TEMP.: N/D
FLAMMABLE LIMITS: LEL=N/D UEL=N/D

EXTINGUISHING MEDIA: CO2, DRY CHEMICAL, WATER FOG.

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SPECIAL FIRE FIGHTING PROCEDURES: NORMAL FIRE FIGHTING PROCEDURES MAY BE USED. COOL AND USE CAUTION WHEN APPROACHING OR HANDLING FIRE EXPOSED CONTAINERS. USE WATER SPRAY TO COOL CONTAINERS.

UNUSUAL FIRE & EXPLOSION HAZARDS: CONTAINERS MAY BURST IN HEAT.

SECTION 5. REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: FREEZING. NONE OTHER KNOWN TO UNISOURCE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

MATERIALS TO AVOID: STRONG MINERAL ACIDS

HAZARDOUS DECOMPOSITION PRODUCTS: MAY CONSIST OF CO, CO2, AND ORGANIC VAPORS OF UNKNOWN COMPOSITION.

SECTION 6. SPILL, LEAK AND DISPOSAL PROCEDURES

SMALL SPILLS: DILUTE WITH WATER AND PICK UP WITH MOP AND PAIL OR NET PICK UP VACUUM.

LARGE SPILLS: DIKE AREA TO CONTAIN SPILL. CLEAN UP USING ABSORBENT MATERIAL.

DISPOSAL: DILUTED PRODUCT MAY BE FLUSHED TO SEWER. UNDILUTED(LIQUID CONCENTRATE) PRODUCT RECOVERED FROM SPILLS MAY BE SENT TO LICENSED DISPOSAL FACILITY TO BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ORDINANCES.

CONTAIN. DISP.: LIQUID BULK CONCENTRATE CONTAINERS SHOULD BE TRIPLE RINSED AND DISCARDED PER LOCAL, STATE AND FEDERAL REGULATIONS IF NOT RECYCLED.

SECTION 7. HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: EYES

OVEREXPOSURE SYMPTOMS:

EYE CONTACT: MILD EYE IRRITATION.

SKIN CONTACT: PROLONGED CONTACT MAY RESULT IN REDNESS AND DERMATITIS.

INHALATION: N/A

INGESTION: ACCIDENTAL INGESTION OF LIQUID CAN CAUSE GASTRIC DISTURBANCES; NAUSEA AND VOMITING MAY RESULT.

CHRONIC HEALTH HAZARDS: NONE KNOWN TO UNISOURCE

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SECTION 8. EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: IMMEDIATELY FLUSH THE EYE WITH LARGE QUANTITIES OF FRESH, RUNNING WATER FOR A MINIMUM OF 15 MINUTES. HOLD THE EYELIDS APART DURING THE IRRIGATION TO ENSURE FLUSHING OF THE ENTIRE SURFACE OF THE EYE LID WITH WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

SKIN CONTACT: N/A

INHALATION: N/A

INGESTION: REQUIRES IMMEDIATE MEDICAL MANAGEMENT. DRINK LARGE AMOUNTS OF MILK OR WATER. VOMITING SHOULD BE INDUCED ONLY ON RECOMMENDATION OF MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION 9. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: N/A. NONE REQUIRED WHEN USED AS DIRECTED.
VENTILATION: NORMAL ROOM VENTILATION SHOULD BE ADEQUATE.
PROTECTION GLOVES: N/A
EYE PROTECTION: AVOID CONTACT WITH EYES.
OTHER MEASURES: N/A

SECTION 10. ADDITIONAL PRECAUTIONS

HANDLING AND STORAGE: STORE IN COOL, DRY PLACE. FOLLOW LABEL DIRECTIONS. KEEP CONTAINER CLOSED WHEN NOT IN USE.

SARA TITLE III RATINGS: ACUTE: YES CHRONIC: NO FIRE: NO
PRESSURE RELEASE: NO REACTIVITY: NO

HHIS RATINGS: HEALTH-1 FIRE-0 REACTIVITY-0 PROTECTION-NONE
NFPA RATINGS: HEALTH-1 FIRE-0 REACTIVITY-0 SPECIAL-

SECTION 11. REGULATORY (OPTIONAL)

HM-181 PROPER SHIPPING NAME(DOT):
PROPER SHIPPING NAME CODE: UN/NA NUMBER: PG#:
VOC CONTENT: THEORETICAL= % LB./GAL. TYPICAL ANALYTICAL= % LB./GAL.
PHOSPHOROUS: %CONCENTRATE-NONE DILUTION RANGE: N/A-N/A GMS./GAL.

THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET REPRESENTS THE LATEST DATA AND BEST OPINION AS TO PROPER USE/HANDLING OF THIS PRODUCT UNDER NORMAL CONDITIONS. ANY USE OF THIS PRODUCT OR METHOD OF APPLICATION WHICH IS NOT IN CONFORMANCE WITH THIS DATA SHEET AND THE PRODUCT LABEL DIRECTIONS IS THE RESPONSIBILITY OF THE USER. THIS MATERIAL SAFETY DATA SHEET WAS PREPARED TO COMPLY WITH OSHA HAZARD COMMUNICATION REGULATIONS.